

CLAIMS:

1. A mechanical shoe intended to be mounted more particularly on the hoof of a sport horse, of the type formed by a front central part (3) or toe piece, from both sides of which two side branches (4 and 5) or quarters extend freely, the rear end portions (6 and 7) of which form heels, holes (8, 9, 10, 11 and 12, 13, 14, 14) or nail holes being defined in the aforementioned side branches (4 and 5), in order to receive nails for fixing on the hoof (2), which, in plan view, present on inner surfaces facing the hoof(2), at the level of each of the side branches (4 and 5) includes zones (D and E) on the rear ends (6, 7) or heels, forming flares of greater width than the side branches (4, 5), characterized in that it also presents, in plan view, on the inner surface, at the level of each of its side branches (4 and 5) a zone (A, B) whose interior edge presents a simple curved inner profile and whose width is narrower than the zone (C) of the front central part (3) or toe piece.
2. The shoe according to claim 1, characterized in that the end portions (6, 7) or heels present in an extension of their flared zones (D, E), new thinning zones (F, G) defined towards the outer peripheral edges of the aforesaid heels (6, 7).
3. The shoe according to the claim 1 or 2, characterized in that its inner and outer peripheral edges are beveled by chamfers (16 and 17) defined in the direction of its outer surface, so as to define, in plan view, a contact face (H) with the ground, of width narrower than the inner surface of the aforementioned shoe (1), but appreciably constant, on the level of the toe piece (3) and the two side branches (4 and 5) extending from it, the aforementioned contact face (H) widening at the level of the heels (6 and 7).
4. The shoe according to claim 3, characterized in that the front central part (3) or toe piece presents has plurality of ridges (18) or grooves (19) forming accordion pleats disposed on the inner chamfer (17).

5. The shoe according to any one of the preceding claims, characterized in that the outer surface of each quarter (4, 5) defines a plurality of holes or nail holes (8 to 11 and 12 to 15) in its flat face intended to receive the nails.

6. The shoe according to claim 5, characterized in that the nail holes are defined in a groove (20).

7. The shoe according to one of claims 3 to 6, characterized in that it comprises on both sides of the toe piece (3), in zones bordering with the side branches (4, 5), nail holes (11, 15) extending transversely in a central zone and the length of which is bigger than the thickness of the blade of the corresponding nail, so as to position the nail in an ideal nailing zone or white line (LB) of the hoof (2).

8. The shoe according to claim 7, characterized in that each of the transverse nail holes (11, 15) is of truncated pyramidal form widening towards the outer surface of the toe piece (3).

9. The shoe according to claim 8, characterized in that the inner surfaces of truncated pyramidal transverse nail holes (11 and 15) include notches (21), in order to allow the blocking of the nail head in a selected position in the nail hole.